

# Jumper

by Arya Akhavan (December 2012)

## Facet Data

Pavilion facets	16	Pavilion tiers	2
Girdle facets	8	Girdle tiers	2
Crown facets	20+1	Crown tiers	5+1
<b>Total facets</b>	<b>45</b>	<b>Total tiers</b>	<b>10</b>

## Size Data

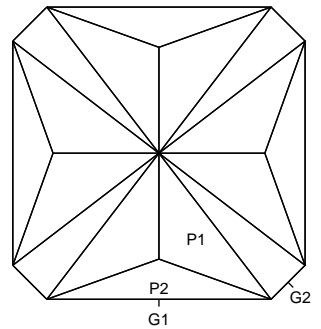
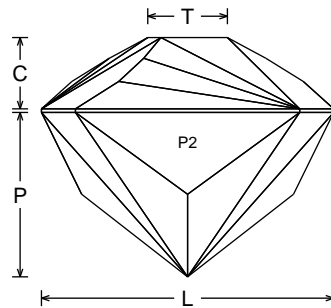
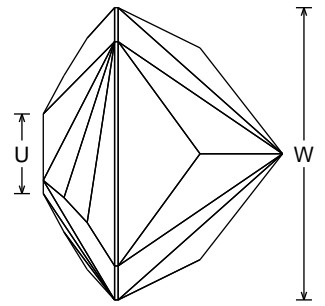
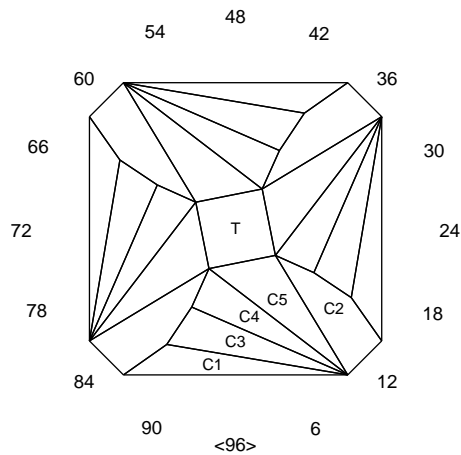
L/W	1.000	P/W	0.563
T/W	0.272	C/W	0.244
U/W	0.272	H/W	0.819
V/W^3	0.336	P/C	2.306

## Design Data

Angles for R.I.	1.80
Symmetry	4-fold, radial
Index gear	96

## Comments

This is a minor tweak of a previous design, inspired by Marco Voltolini's "Ventilatore", but in a square outline. It turned out to have a very interesting reflection pattern with lots of contrast. Works in materials from feldspar to zircon with no changes (RI = 1.52 - 1.93). For RIs up to 2.16, scale P1 to 40.00\*.



## Pavilion

P1	42.00	08-12-16-32-36-40-56-60-64-80-84-88	Cut to centerpoint.
G1	90.00	96-24-48-72	Set stone size.
G2	90.00	12-36-60-84	Meet P1, G1
P2	63.83	96-24-48-72	Level girdle.

## Crown

C1	42.00	96-24-48-72	Set girdle width.
C2	27.73	12-36-60-84	Level girdle.
C3	33.00	01-25-49-73	Meet G1, G2, C1, C2
C4	30.00	02-26-50-74	Meet G1, G2, C1, C2, C3
C5	28.50	03-27-51-75	Meet G1, G2, C1, C2, C3, C4
T	0.00	Table	Meet C2, C4, C5